A Non-GPS Technology Approach for Complex Indoor Scenes Navigation using Android as a Platform

Abstract

Android has been emerging as powerful mobile platform which has provided handy
functionalities for the development of indoor navigation software. Traditional GPS technology has its own drawbacks in the indoor navigation scenes. This paper focuses on the use of a non-GPS technology approach for the navigation in complex indoor scenes. The approach to achieve the optimal results in the complex indoor navigation includes use of Wi-Fi triangulation method, a* algorithm, 2-D code and block's color sequence for navigation purpose.

References

- BjörnGreßmann, Helge Klimek and Volker Turau, 2010. Towards Ubiquitous Indoor
A Non-GPS Technology Approach for Complex Indoor Scenes Navigation using Android as a Platform


Index Terms

Computer Science
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Keywords

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